



PTO/SB/08 Equivalent

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Multiple sheets used when necessary)

SHEET 1 OF 6

Application No.	10/814,966
Filing Date	March 30, 2004
First Named Inventor	Koller, et al.
Art Unit	1651
Examiner	Susan Marie Hanley
Attorney Docket No.	ONCOSIS.001CP5

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
SH	1	US 2002/076744 A1	06-20-2002	Koller et al.	
	2	US 2003/0219892	11-27-2003	Palsson et al.	
	3	3,674,926	07/04/72	Dewey et al.	
	4	4,284,897	08/18/81	Sawamura et al.	
	5	4,395,397	07/26/83	Shapiro	
	6	4,532,402	06/30/85	Overbeck	
	7	4,624,915	11/25/86	Schindler et al.	
	8	4,629,687	12/16/86	Schindler et al.	
	9	4,803,992	02/14/89	Lemelson	
	10	5,013,660	05/07/91	Kasuya et al.	
	11	5,035,693	07/30/91	Kratzer et al.	
	12	5,053,693	10/01/91	Bohnert et al.	
	13	5,089,384	02/18/92	Hale	
	14	5,103,660	04/14/92	Johnson	
	15	5,158,889	10/27/92	Hirako et al.	
	16	5,188,633	02/23/93	Kratzer et al.	
	17	5,202,230	04-13-1993	Kamentsky, Louis A.	
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	19	5,296,963	03/22/94	Murakami et al.	
	20	5,298,963	03/29/94	Moriya et al.	
	21	5,381,224	01/10/95	Dixon et al.	
	22	5,523,543	06/04/96	Hunter, Jr. et al.	
	23	5,422,720	06-06-1995	Berndt, Klaus W	
	24	5,646,411	07/08/97	Kain et al.	
	25	5,672,880	09/30/97	Kain	
	26	5,690,846	11/25/97	Okada et al.	
	27	5,719,391	02/17/98	Kain	
	28	5,785,703	07/28/98	Goodman et al.	
SH	29	5,795,755	08/18/98	Lemelson	

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SH	30	5,874,266	02/23/99	Palsson	
	31	5,890,846	04/06/99	Clark et al.	
	32	5,932,872	08/03/99	Price	
	33	6,005,256	12/21/99	McGlynn et al.	
	34	6,007,814	12/28/99	Scheinberg	
	35	6,040,139	03/21/00	Bova	
	36	6,122,396	09/19/00	King et al.	
	37	6,143,535	11/07/00	Palsson	
	38	6,148,096	11/14/00	Pressman et al.	
	39	6,315,772	11-13-2001	Marchitto et al.	
	40	6,381,224	04/30/02	Lane et al.	
	41	6,424,863	07-23-2002	Flock, Stephen T.	
	42	6,642,018	11-04-2003	Koller et al.	
SH	43	6,753,161	06-22-2004	Koller et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
SH	44	EP 0 662 512	07/12/95	Europe		
	45	JP 63-259465	04/17/87	Japan		
	46	WO 97/11156	03-27-1997	BOVA, G., Steven		
	47	WO 98/42356	10-01-1998	PALSSON, Bernhard		
	48	WO 89/01630	02/23/89	PCT		
	49	WO 98/52016	11/19/98	PCT		
SH	50	RU 2054486C1	02-20-1996	PETUKHOV VALERIJ		

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
SH	51	Andersen et al., "Failure of immunologic purging in mantle cell lymphoma assessed by polymerase chain reaction detection in minimal residual disease," <i>Blood</i> , 90: 4212-4221 (1997)	
	52	Brittberg et al., "Treatment of deep cartilage defects in the knee with autologous chondrocyte transplantation," <i>N.E.J.Med.</i> , 331: 889-895 (1994)	
	53	Brockstein et al., "Tumor cell contamination of bone marrow harvest products: Clinical consequences in a cohort of advanced-stage breast cancer patients undergoing high-dose chemotherapy," <i>J. Hematotherapy</i> , 5: 617-624 (1996)	
	54	Brugger et al., "Mobilization of Tumor Cells and Hematopoietic Progenitor Cells Into Peripheral Blood of Patients with Solid Tumors," <i>Blood</i> , 83: 636-640 (1994)	
	55	Campana et al., "Detection of Minimal Residual Disease in Acute Leukemia: Methodological Advances and Clinical Significance," <i>Blood</i> , 85: 1416-1434 (1995)	
	56	Chute et al., "Analysis of the steady-state dynamics organelle motion in cultured neurites," <i>Clin Exp Pharmacol Physiol</i> , 22: 360 (1995)	
	57	Clarke et al., "A recombinant <i>bcl-x<sub>s</sub></i> adenovirus selectively induces apoptosis in cancer cells but not in normal bone marrow cells," <i>Proc. Natl. Acad. Sci. USA</i> , 92: 11024-11028 (1995)	
	58	Cossman et al., "Reed-Sternberg cell genome expression supports a B-cell lineage," <i>Blood</i> , 94: 411-416 (1999)	
	59	Deisseroth et al., "Genetic marking shows that Ph <sup>+</sup> cells present in autologous transplants of chronic myelogenous leukemia (CML) contribute to relapse after autologous bone marrow in CML," <i>Blood</i> , 83: 3068-3076 (1994)	
	60	Dooley et al., "A Novel, Inexpensive Technique for the Removal of Breast Cancer Cells from Mobilized Peripheral Blood Stem Cell Products," <i>Blood</i> , 88: 252a, Abstract 995, 438-11 (1996)	
	61	Elbashir, et al. "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells." <i>Nature</i> , 411: 494-498 (2001).	
	62	Fields et al., "Clinical significance of bone marrow metastases as detected using the polymerase chain reaction in patients with breast cancer undergoing high-dose chemotherapy and autologous bone marrow transplantation," <i>J. Clin. Oncol.</i> , 14: 1868-1876 (1996)	
	63	Gazit et al., "Purified CD34 <sup>+</sup> Lin <sup>-</sup> Thy <sup>+</sup> Stem Cells Do Not Contain Clonal Myeloma Cells," <i>Blood</i> , 86: 381-389 (1995)	
	64	Gee, Adrian P., "Part 5: Autologous Bone Marrow Purging," <i>Bone Marrow Processing and Purging</i> , 248-328 (1991)	
	65	Grate et al., "Laser-mediated, site-specific inactivation of RNA transcripts," <i>PNAS</i> , 96: 6131-6136 (1999)	
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SH	67	Gribben et al., "Antibody-mediated Purging; Bone Marrow Transplantation," <i>Boston-Blackwell Scientific Publications</i> , 149-163 (1994)	

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SH	68	Gribben et al., "Immunologic purging of marrow assessed by PCR before autologous bone marrow transplantation for B-cell lymphoma," <i>N.E.J. Med.</i> , 325: 1525-1533 (1991)	
	69	Gulati et al., "Rationale for Purging in Autologous Stem Cell Transplantation," <i>Journal of Hematotherapy</i> , 2: 467-471 (1993)	
	70	Guo et al., "Laser-mediated gene transfer in rice," <i>Physiologia Plantarum</i> , 93: 19-24 (1995)	
	71	Han, et al. "Quantum-dot-tagged microbeads for multiplexed optical coding of biomolecules." <i>Nat.Biotech.</i> , 19: 631-635 (2001).	
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	73	Huang et al., "Symmetry of initial cell divisions among primitive hematopoietic progenitors is independent of ontogenic age and regulatory molecules," <i>Blood</i> , 94: 2595-2604 (1999)	
	74	International Search Report from PCT/US01/07506	
	75	International Search Report from PCT/US00/32742	
	76	Jasuja et al., "Chemotactic responses of <i>Escherichia coli</i> to small jumps of photoreleased L-aspartate," <i>Biophysical Journal</i> , 76: 1706-1719 (1999)	
	77	Jay, D. G., "Selective destruction of protein function by chromophore-assisted laser inactivation," <i>PNAS</i> , 85: 5454-5458 (1988)	
	78	Koller et al., "Tissue Culture Surface Characteristics Influence the Expansion of Human Bone Marrow Cells," <i>Biomaterials</i> , 19: 1963-1972 (1998)	
	79	Krasieva, et al. "Mechanisms of cell permeabilization by laser microirradiation." <i>Proc.SPIE</i> , 3260: 38-44 (1998).	
	80	Kurata, et al. "The laser method for efficient introduction of foreign DNA into cultured cells." <i>Exp.Cell Res.</i> , 162: 372-378 (1986).	
	81	Langer et al., "The challenges ahead," <i>Sci. Am.</i> , 280: 86-89 (1999)	
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	83	Lydaki et al., "Merocyanine 540 mediated photolysis of normal bone marrow, committed hemopoietic progenitors and neoplastic cells. Implications for bone marrow purging," <i>Leukemia Research</i> , 21: 641-650	
	84	Lydaki et al., "Merocyanine 540 mediated photoirradiation of leukemic cells. In vitro inference on cell survival," <i>Journal of Photochemistry and Photobiology B: Biology</i> , 32: 27-32 (1996)	
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SH	86	Merriam-Webster, Online Dictionary definition of "image". From www.m-w.com, accessed 9/14/05. 2 pages.	
	87	Miller et al., "Rapid Killing of Single Neurons by Irradiation of Intracellular Injected Dye," <i>Science</i> , 206: 702-704 (1979)	
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	97	Rowley, Scott D., "Pharmacological Purging of Malignant Cells; Bone Marrow Transplantation," <i>Boston-Blackwell Scientific Publications</i> , 164-178 (1994)	
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	101	Shirahata, et al. "New technique for gene transfection using laser irradiation." <i>J. Invest. Med.</i> , 49: 184-190 (2001).	
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↓	103	Sharp et al., "Outcome of high-dose therapy and autologous transplantation in non-Hodgkin's lymphoma based on the presence of tumor in the marrow or infused hematopoietic harvest," <i>J. Clin. Oncol.</i> , 14: 214-219 (1996)	
SH	104	Soughayer, et al. "Characterization of cellular optoporation with distance." <i>Anal. Chem.</i> , 72: 1342-1347 (2000).	

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	106	Theocharous et al., "The Detection and Genetic Analysis of Low Frequency Epithelial Tumor Cells in Patients with Breast Cancer," Blood, 88: 252a, Abstract 998, 441-II (1996)	
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SH	113	Vredenburgh et al., "The significance of tumor contamination in the bone marrow from high-risk primary breast cancer patients treated with high-dose chemotherapy and hematopoietic support," Biol. Blood Marrow Transplant., 3: 91-97 (1997)	

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